GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Inspection Report

Permit Number:	C0430008
Inspection Type:	COMPLETE
Inspection Date:	Thursday, August 04, 2011
Start Date/Time:	08/04/2011 8:15:00 AM
End Date/Time:	08/04/2011 9:20:00 AM
Last Inspection:	Thursday, June 10, 2010

Inspector: Joe Helfrich,

Weather: Sunny 70 clear slight breeze

InspectionID Report Number: 2821

Accepted by: jhelfric
08/08/2011

Representatives Present During the Inspection:
OGM Joe Helfrich

Permitee: **SUMMIT COAL CO**
Operator: **SUMMIT COAL CO**
Site: **BOYER MINE**
Address: ,
County: **SUMMIT**
Permit Type: **PERMANENT COAL PROGRAM**
Permit Status: **RECLAIMED**

Current Acreages

129.00	**Total Permitted**
7.00	**Total Disturbed**
	Phase I
	Phase II
	Phase III

Mineral Ownership

- ☐ Federal
- ☐ State
- ☐ County
- ☑ Fee
- ☐ Other

Types of Operations

- ☐ Underground
- ☐ Surface
- ☐ Loadout
- ☐ Processing
- ☐ Reprocessing

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

The purpose of this site visit was to conduct an annual bond forfeiture site inspection. Mining was conducted on this site as early as 1897. The reclaimed site is located approximately 11 miles east of Coalville, Utah, in Summit County. Summit Coal Company proposed to operate a small underground mine and disturbed about six acres in preparation to mine. However, this mine never operated and the bond was forfeited. Bond forfeiture proceedings for the Boyer Mine were initiated June 23, 1989, and the Boyer Mine permit was revoked by the Division of Oil, Gas, and Mining August 4, 1989. The portals were sealed under separate contract October 5, 1990. Inspections continued on a monthly basis through September of 1994. Inspections are now conducted annually. Reclamation activities administered by the AMR program commenced on November 3, 1994 and were completed April 17, 1995.

Inspector's Signature: Joe Helfrich,
Inspector ID Number: 1

Date Thursday, August 04, 2011

REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. *Substantiate the elements on this inspection by checking the appropriate performance standard.*
   a. *For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.*
   b. *For PARTIAL inspections check only the elements evaluated.*
2. *Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.*
3. *Reference any narratives written in conjunction with this inspection at the appropriate performace standard listed below.*
4. *Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.*

	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	☑	☐	☐	☐
2. Signs and Markers	☑	☐	☑	☐
3. Topsoil	☑	☐	☐	☐
4.a Hydrologic Balance: Diversions	☑	☐	☑	☐
4.b Hydrologic Balance: Sediment Ponds and Impoundments	☑	☐	☑	☐
4.c Hydrologic Balance: Other Sediment Control Measures	☐	☑	☐	☐
4.d Hydrologic Balance: Water Monitoring	☑	☐	☑	☐
4.e Hydrologic Balance: Effluent Limitations	☐	☑	☐	☐
5. Explosives	☐	☑	☐	☐
6. Disposal of Excess Spoil, Fills, Benches	☐	☑	☐	☐
7. Coal Mine Waste, Refuse Piles, Impoundments	☐	☑	☐	☐
8. Noncoal Waste	☐	☑	☐	☐
9. Protection of Fish, Wildlife and Related Environmental Issues	☑	☐	☑	☐
10. Slides and Other Damage	☑	☐	☐	☐
11. Contemporaneous Reclamation	☐	☑	☐	☐
12. Backfilling And Grading	☑	☐	☑	☐
13. Revegetation	☑	☐	☑	☐
14. Subsidence Control	☐	☑	☐	☐
15. Cessation of Operations	☐	☑	☐	☐
16.a Roads: Construction, Maintenance, Surfacing	☐	☑	☐	☐
16.b Roads: Drainage Controls	☐	☑	☐	☐
17. Other Transportation Facilities	☐	☑	☐	☐
18. Support Facilities, Utility Installations	☐	☑	☐	☐
19. AVS Check	☐	☑	☐	☐
20. Air Quality Permit	☐	☑	☐	☐
21. Bonding and Insurance	☐	☑	☐	☐
22. Other	☐	☑	☐	☐

2. Signs and Markers

A 'No Trespassing' sign is located at the entrance to the property. As there are no soil stockpiles or intermittent/perennial streams located within the permit area, topsoil and stream buffer zone signs are not required.

4.a Hydrologic Balance: Diversions

Two natural drainageways were diverted during the operational phase of the mine. One drainage located on the western edge of the permit area and the other on the eastern edge. The natural, un-disturbed drainages that were diverted and subsequently reclaimed, did not show signs of excessive erosion, gullying or cutting. No off-site impacts were observed in connection with these drainages. The larger diversion located along the eastern portion of the permit area was observed to be in good condition. During the operational phase of the mine, a 36" culvert had been installed to divert undisturbed drainage under the mine-site. Upon reclamation, the culvert was removed and the channel was fortified with filter blanket, riprap and then backfilled. During the time of the inspection, this drainage channel was observed to be stable and well vegetated. As with the eastern most drainage diversion, the western diversion was reclaimed in the same manner (I.e. fortified with filter blanket, riprap and backfilled). The western drainage was observed to be stable and well vegetated. No signs of excessive erosion or cutting were noted during the inspection of the western-most drainage channel.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The location of the former sediment pond was observed at the time of the inspection. The sediment pond has been backfilled and vegetated. The area of the sediment pond is stable and does not show evidence of erosion, gullying or slumping.

4.d Hydrologic Balance: Water Monitoring

A potable water well was located near the main entrance to the mine surrounded by rip rap. The well was covered with a steel cap and was locked.

9. Protection of Fish, Wildlife and Related Environmental Issues

The Boyer Mine Site does not appear to present any potential for impacting fish or wildlife. As previously outlined, the site is stable. The established vegetation and soil reclamation work appears to have been successful at preventing off-site impacts from occuring.

12. Backfilling And Grading

The backfilling and grading of the site was observed during the inspection. No evidence of slumping or movement was observed during the inspection. The areas that had been backfilled at the locations of the portals were stable. No signs of erosion and or soil movement were observed.

13. Revegetation

The vegetation on the site looks good and appears to be adequate to control erosion. There appears to be better vegetation on the reclaimed site than on the adjacent areas. There are some skeletons of weeds in a few area at the mine (Musk Thistle and White top). These noxious species would probably be on the site whether it had been mined or not due to invasion from adjacent land. Other species observed included western wheat grass, slender wheat grass, Kentucky blue grass, goat's beard, yellow sweet clover, snake weed, gumweed, bitter brush, rabbit brush, four wing salt bush, mountain brome and indian rice grass. A copy of the seed mix used for reclamation is available for reference in the AMR files, (AMR/043/909).